

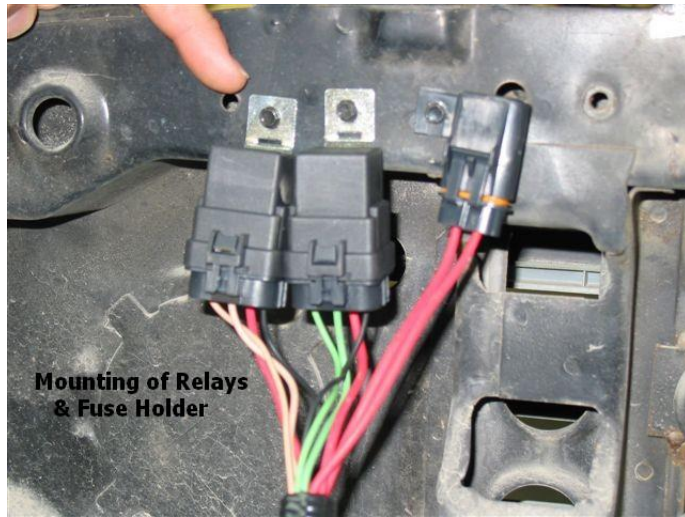


30814

Four Headlight Relay Conversion Harness Installation Instructions

This headlight harness is designed to operate four high power headlights or to relocate the headlights to a remote location. The harness uses relays to transfer power directly from the battery, to the headlights themselves, which protects the electrical system from overloading.

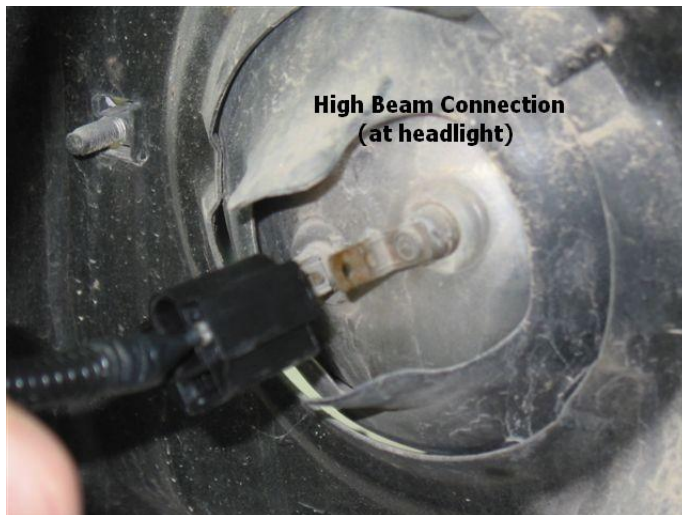
- A. Disconnect the battery
- B. Mount the fuse and relays in a suitable location between the battery or battery source and the headlights.
- C. Route the red wire to a battery positive (+) source. Cut to length. Crimp the yellow ring terminal from the parts bag to this red wire and use a heat gun to activate shrink wrap.
- D. Route the Black wire to a ground source. Cut to length. Crimp the blue ring terminal from the parts bag to this black wire and use a heat gun to activate shrink wrap.
- E. Unplug the headlight connector from one (1) of the original high/low beam headlight bulbs. Plug in the removed (male) headlight connector into the female connector of the Painless 30814 harness.
- F. Plug the four (4) new headlight connectors (of the Painless 30814 harness) onto the two (2) high/low beam and two (2) high beam headlight bulbs.
- G. The extra (old) headlight connectors will not be used (tape and store).
- H. Turn on headlights and check for proper operation.



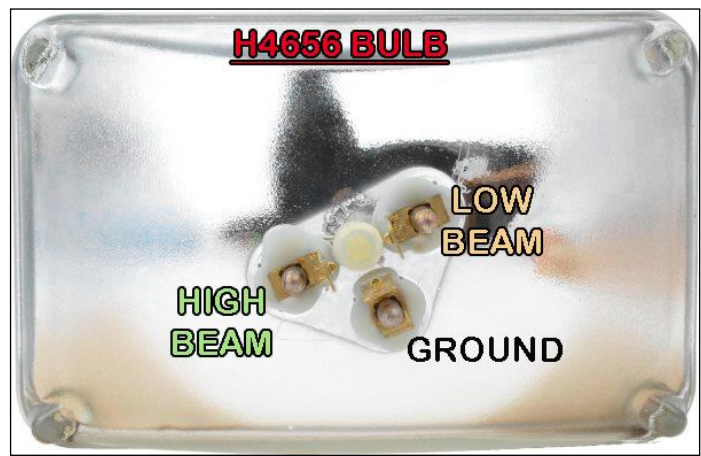
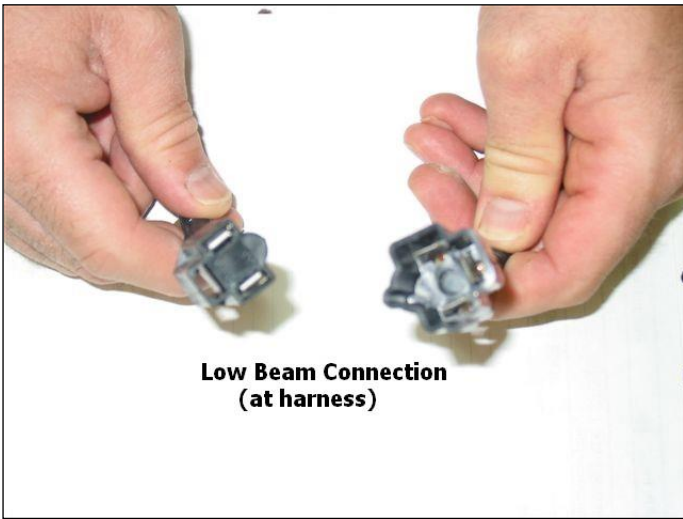
**Mounting of Relays
& Fuse Holder**



**Low Beam Connection
(at headlight)**



**High Beam Connection
(at headlight)**



Re-pinning for H4656 Bulbs



Notice the locking tang that holds the terminal in the connector. Locate the tang access slot on the terminal end of the connector. The connector in the photo is just an example and not a connector found on the 30814 harness. Push a paper clip, stiff wire, or a small flat head screwdriver into the slot to depress the locking tang on the terminal.

Once depressed, pull the harness wire from the connector. Do not pull too hard or you could pull the wire out of the terminal; this leaves the terminal stuck in the connector.

Removal of these wires is simple and will require the use of a pair of pliers and/or a flat head screwdriver:

Squeeze the smaller side of the terminal in towards the center of the terminal. This will allow the terminal to be pulled free of the bulkhead.

The locking tangs of both style terminals will need to be gently pried back out before re-inserting them into their connectors.

